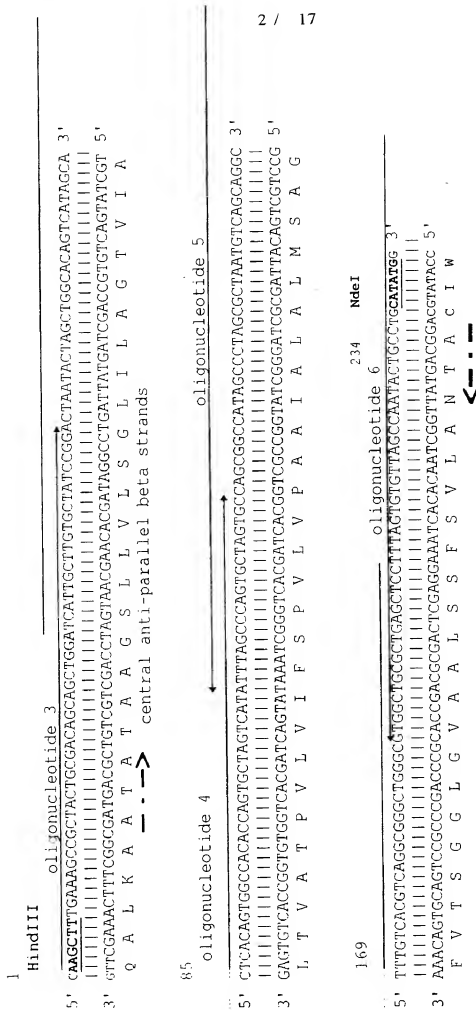


5' ... ATAGAATAC A GCATGC TCC CGGCGG CCATGG CGGCGG GATTGTC ATG AGG CAA CTA AAC CCT TGC AGC....
 SP6 Promoter<| SphI EagI NcoI SacII BspHI M R Q L N P C S

ANG SEQUENCE....GTC CCC CAA CAA cct TCA TGC ATA TGG AGT ATG GTC TAG GGATCC
 HindIII NdeI BamHI
 V P Q Q A S C I W S M V ***

GGGTACC GAGCTC GAATTC GCCCTATA... 3'
 KpnI SacI EcoRI |> T7 Promoter

Figure 1



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Figure 2

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1
ATGAGGCAACTAAACCCCTTGCAGCCCAAGAGTTGCAATCACCACAACAATCATATCTGCCG
M R Q L N P Cys S Q E L Q S P Q Q S Y L Q

61
CAGCCATATCCACAAAACCCATATCTACCGCAAAAACCATTTCCAGTGCGAGCAACCGTTT
Q P Y P Q N P Y L P Q K P F P V Q Q P F

121
CACACACCCCAACAATATTTCCTTATCTACCAGAGGAATTGTTTCCCAATATCAAATA
H T P Q Q Y F P Y L P E E L F P Q Y Q I

181
CCAACCCCTTACAACCACAACAACCATTTCCCCCAACAACCACAACAACCTCTTCCTCGG
P T P L Q P Q Q P F P Q Q P Q Q P L P R

241
CCCCAACAACCATTTCCCTGGCAACCACAACAACCATTTCCCCAGCCCCAAGAACCAATT
P Q Q P F P W Q P Q Q P F P Q P Q E P I

301
CCCCAGCAACCACAACAACCATTTCCACAGCAACCACAACAACCATTTCCACAGCAACCA
P Q Q P Q Q P F P Q Q P Q Q P F P Q Q P

361
CAACAAATAATTTTCCAGCAACCCCAACAATCATACCTGTGCAACCTCAACAGCCATT
Q Q I I F Q Q P Q Q S Y P V Q P Q Q P F

421 477
CCTCAACAACCTCAACAGTCCCCCAACAA GCT TCA TGCATATGGAGTATGGTCTAG
P Q Q P Q P V P Q Q A S Cys I W S M V ***

Figure 3

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HindIII 1 54
AAGCTTctACCACTCCACCGCCGTGGCTGTGACTTTGATCTGACAGCTACCACCACCTAC
A S T T P T A V A V T F D L T A T T T Y

114
GGCAGAACATCTACCTGGTCGGATCGATCTCTCAGCTGGGTGACTGGGAAACCAGCGAC
G E N I Y L V G S I S Q L G D W E T S D

174
GGCATAGCTCTGAGTGCTGACAAGTACACTTCCAGCGACCCGCTCTGGTATGTCACTGTG
G I A L S A D K Y T S S D P L W Y V T V

234
ACTCTGCCGGCTGGTGAGTCGTTTGAGTACAAGTTTATCCGCATTGAGAGCGATGACTCC
T L P A G E S F E Y K F I R I E S D D S

294
GTGGAGTGGGAGAGTGATCCCAACCGAGAATACACCGTTCTCAGGCGTGCGGAACGTCG
V E W E S D P N R E Y T V P Q A C G T S

321 NdeI
ACCGCGACGGTGACTGACACCTGGCGGTGCATATGG
T A T V T D T W R C I W

Figure 4

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HindIII

57
AAGCTTTCGGCAATGAAGATTGCACCCCATGGATGAGTACTCTGATCACTCCACTCCCAAGC
 A I G N E D C T P W M S T L I T P L P S
 CM17. T

117
 TGCCGTGACTATGTGGAACAACAAGCATGTCGCATCGAAACGCCCGGTGCGCGTACCTC
 C R D Y V E Q Q A C R I E T P G S P Y L
 . . N . . . E M . . P . . .

177
 GCCAAGCAGCAGTGTCTGTGGGGAGCTTGCAAACATTCCGCAGCAGTGCCGATGCCAGGCG
 A K Q Q C C G E L A N I P Q Q C R C Q A
 . . . E . . E Q

237
 CTGCGCTACTTCATGGGGCCGAAGTCTCGTCCGGATCAGAGCGGCCTCATGGAAGTCCCC
 L R Y F M G P K S R P D Q S G L M E L P

297
 GGATGCCCTAGGGAGGTGCAGATGGACTTCGTGAGGATACTCGTCACGCCGGGGTACTGC
 G C P R E V Q M D F V R I L V T P G Y C
 N . . P

354
 AACTTGACGACCGTTACACAACACTCCGTACTGCCTCGCTATGGAGGAGTCTCAGTGG
 N L T T V H N T P Y C L A M E E S Q W
 G

357

NdeI

AGCTGCATATGG

S C I W

Figure 5

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HindIII

57

AAGCTTACGATGTTGCTGGCGGGGGTGGTGCTCAACAATGCCCTGTAGAGACAAAGCTAAAT

A Y D V A G G G G A Q Q C P V E T K L N

117

TCATGCAGGAATTACCTGCTAGATCGATGCTCAACGATGAAGGATTCCCGGTACCTGG

S C R N Y L L D R C S T M K D F P V T W

177

CGTTGGTGGAAATGGTGAAGGGAGGTTGTCAAGAGCTCCTTGGGGAGTGTTCAGTCGG

R W W K W W K G G C Q E L L G E C C S R

237

CTCGGCCAAATGCCACCGCAATGCCGCTGCAACATCATCCAGGGGTCAATCCAAGCGAT

L G Q M P P Q C R C N I I Q G S I Q G D

297

CTCGGTGGCATCTTCGGATTTCAGCGTGATCGGGCAAGCAAAGTGATACAAGAAGCCAAG

L G G I F G F Q R D R A S K V I Q E A K

300

AACCTGCGGCCCAGGTGCAACCAGGGCCCTCCCTGCAACATCCCCGGCACTATTGGCTAT

N L P P R C N Q G P P C N I P G T I G Y

363

NdeI

TACTGGTGCATATGG

Y W C I W

Figure 6

105001 0250140

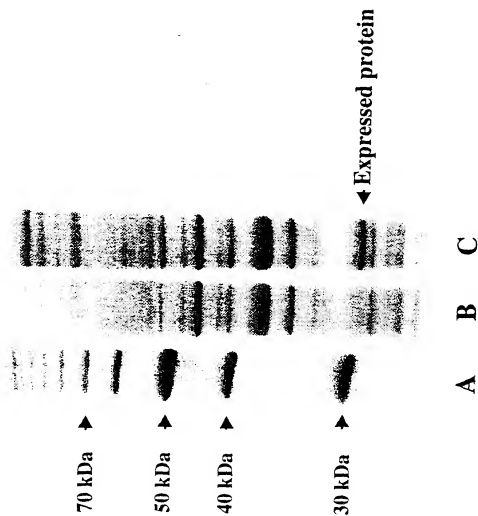


Figure 7

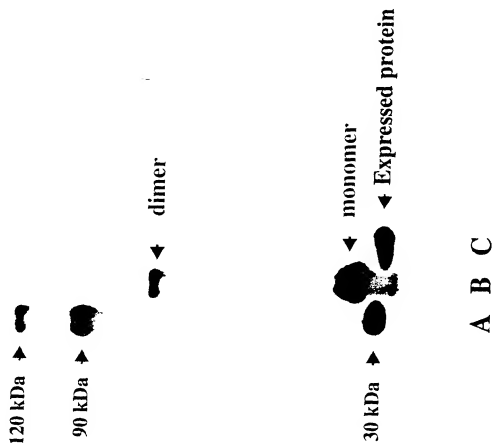


Figure 8

1000T-2256H260

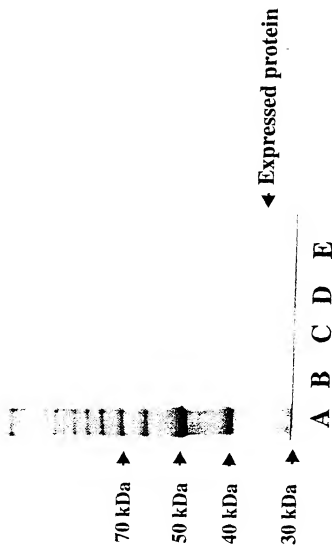


Figure 9

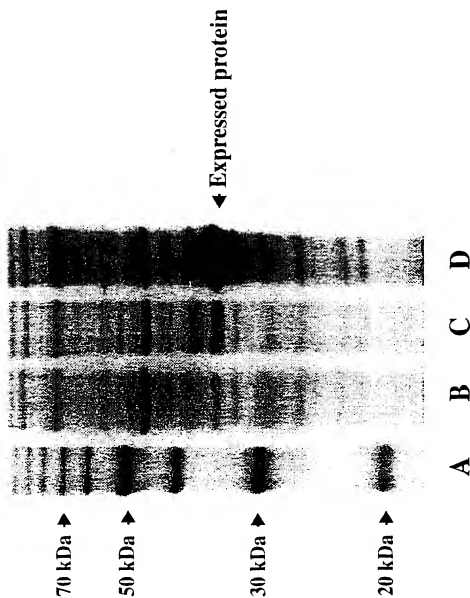


Figure 10

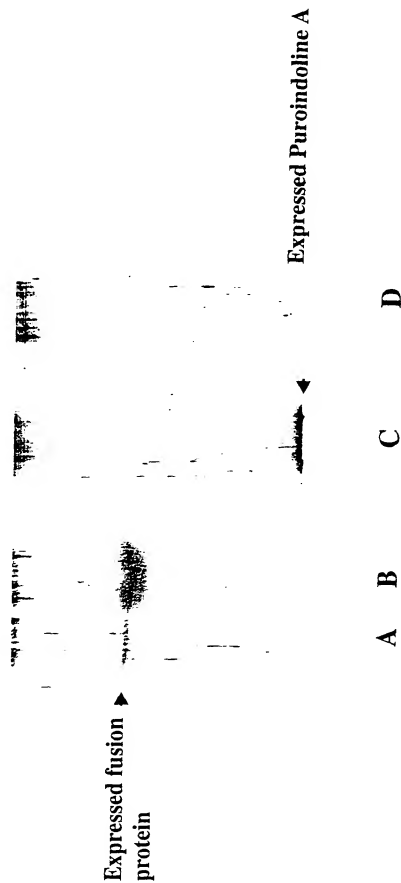
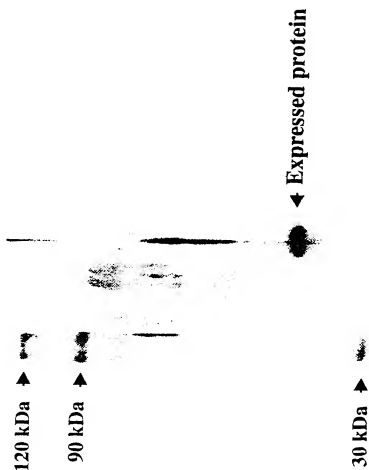


Figure 11

199901-23994-60



A B C D

Figure 12

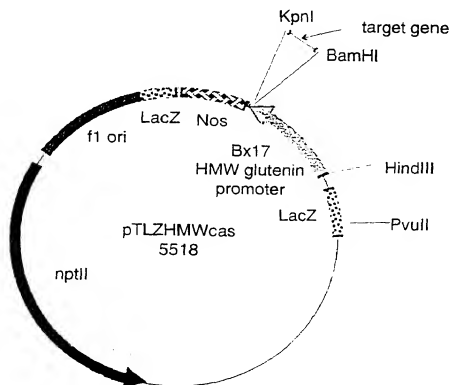


Figure 13

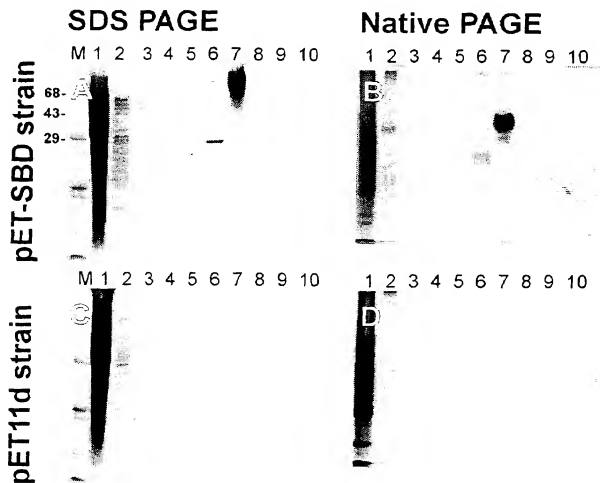


Figure 14

ANGCys7Cys236



binding domain in another protein



ANG/insert/Cys7Cys236



Figure 15

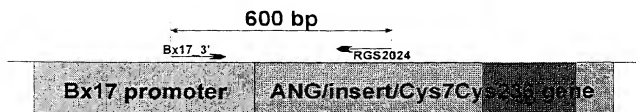


Figure 16

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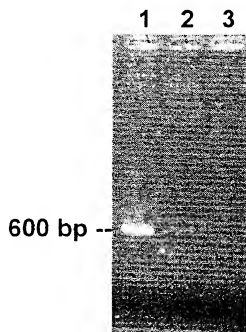


Figure 17

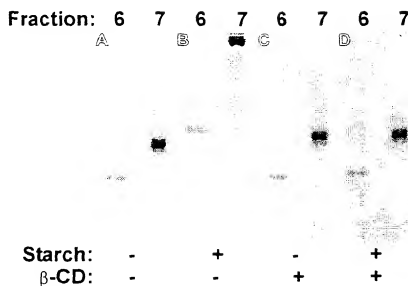


Figure 18

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	M	1	2	3	4	5	6
oxidised		+	+	+	+	-	-
reduced		-	-	+	+	+	+
β -CD		+	-	+	-	+	-

68-

43-

29-

Figure 19